

Inspectorate America
104 Thadeus Street
South Portland, Maine 04106
(207)767-1711



QUALITY CERTIFICATE

Vessel	JADE STAR	Port	PORTSMOUTH, NH	Report	PL05-129
Customer	SPRAGUE ENERGY	Date	February 22, 2005	Reference	
Operation	ANALYSIS	Terminal	SPRAGUE GOSLING RD	Sample #	892488

Name of material being tested
Description of sample source
Samples Drawn by (company)
Samples Tested by (company)

#6 FUEL OIL

TANK 2
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Tests being Performed	Test method	Sample Results
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GRAVITY, API	ASTM D 4052	11.4
FLASH POINT, F.	ASTM D 93B	212+
SULPHUR, % WT. AVERAGE	ASTM D 4294	0.990
VISCOSITY, SSF, 122F	ASTM D 445/2161	163.3
POUR POINT, F.	ASTM D 97	+26.6
WATER BY DISTILLATION	ASTM D 95	0.05
WATER & SEDIMENT, % VOL.	ASTM D 1796	0.1
SEDIMENT BY EXTRACTION	ASTM D 473	0.02
ASH, % WT.	ASTM D 482	0.03
ASPHALTINES, %WT	IP 143	2.78
BTU'S PER POUND	ASTM D 4868	18,371
BTU'S PER GALLON	CONVERSION	151,506
VANADIUM, PPM	IP-470	20
SODIUM, PPM	IP-470	9
NITROGEN, %WT	ASTM D 5762	0.2554
CARBON RESIDUE % WT.	ASTM D 4530	10.60
SULPHUR, % WT.	ASTM D 4294	
892327	UPPER	0.986
892328	MIDDLE	0.988
892329	LOWER	0.995

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RICK KENNEDY
Inspectorate America Corp (Portland Me.)